	·_				(1,E).
umber:	1-9/X45	rrors Corrected		Gy Sms Branch  CRF Processin  Edited by:  Verified by:	ng Date: 5/16/2
Changed	a file from non-A	SCII to ASCII		= D	
Changed	the margins in $lpha$	ases where the seq	uence text was w	rapped down to the	next line.
Edited a l	ormat error in the	e Current Applicatio	n Data se <b>c</b> tion, sp	ecifically:	
Edited the applicant	Current Applica	ition Data section w r application data; (	or other	ent number. The num	nber inputted by the
Added the	e mandatory head	ding and subheadir	ngs for "Current Ap	plication Data*.	
→ Edited the	Number of Sec	quences* field. The	applicant spelled	out a number instead	d of using an integer.
Changed	the spelling of a	mandatory field (th	e headings or subt	neadings), specifically	/: 
Corrected	I the SEQ ID NO	when obviously inc	correct. The seque	ence numbers that we	ere edited were:
Inserted o	ir corrected a nuc	cleic number at the	end of a nucleic lin	ne. SEQ ID NO's ed	ited.
Corrected applicant	subheading placed a respons	cement. All response below the subhe	ses must be on the ading, this was mo	same line as each sived to its appropriate	ubheading. If the place.
Inserted	colons after head	dings/subheadings.	Headings edited in	ncluded: , ,	
Deleted 8	extra, invalid, hea	adings used by an a	ipplicant, specifical	lly: 	257
Deleted;	non-ASCII *¿ numbers throug	garbage* at the beg ghout text;	ninning/end of files; er invalid text, such	secretary initial	s/filename at end of
Inserted	mandatory head	ings, specifically: _			
Correcte	d an obvious end	or in the response.	specifically:		
				equired, or vice versa	
Correcte	d an error in the	Number of Sequen	ces field, specificai	ily:	
				ccurrences had to be	
Dolotod a	adina sion codo	on in amino acid se	guences and adjus		ield accordingly (erro
oue to a r	<i>3 ,</i>				

\*Examiner: The above corrections must be communicated to the applicant in the first Office Action. DO NOT send a copy of this form.

LATE: 05,27 2001

# TIME: 18:31:44 PATENT APPLICATION: US/09/848,841 Input Set : A:\Pto.amc Output Set: C:\CRF3\05272001\1848841.raw 2 <110> APPLICANT: E. I. du Pont de Nemours and Company Butler, Karla Falco, Carl 4 Famodu, Omclayo C. 5 Fang, Yiwer. 15 Han, Feng Heppard, Elmer Liu, Zhan-Bin Miao, Gau-Hau 1ΰ Odell, Joan 11 12 Rafalski, Antoni 16 <120> TITLE OF INVENTION: Disease Resistance Factors 18 <130> FILE REFERENCE: BB1252 US NA1 C--> 20 <140> CURRENT APPLICATION NUMBER: US/09/848,841 C--> 21 <141> CURRENT FILING DATE: 2001-05-04 23 <150> PRIOR APPLICATION NUMBER: 60/107,242 24 k151 PRIOF FILING DATE: 1998-11-05 26 <1500 PRIOF APPLICATION NUMBER: US99/25,953 27 <151> PRIOR FILING DATE: 1999-10-04 29 <160> NUMBER OF SEQ ID NOS: 17 31 <170> SOFTWAPE: Microsoft Office 97 33 <010> SEQ ID NO: 1 34 -: 211 - LENGTH: 520 35 KILL TYPE: DIA 36 KO13 PORGANISM: Zea mays 38 <320 > FEATURE: 39 <221 - NAME/KEY: unsure 40 <222> LOCATION: (405)..(406) 42 <220% FEATURE: 43 <221> NAME/KEY: unsure 44 <222> LOCATION: (411) 46 <220> FEATURE: 47 <221> NAME/KEY: unsure 48 <222> LOCATION: (417) 50 <220> FEATURE: 51 <221> NAME/KET: unsure 52 P222 LOCATION: (492) 54 KLZUP FEATURE: 55 KILL NAME/KEY: unsure 56 K222 - LOCATION: (503) 53 KOLO / FEATURE: 59 <221> NAME/KEY: unsure 60 R221 - LOCATION: (513) 62 <400 → SEQUENCE: 1 63 egegeogesy esaataagte edeegtgtge geegteteeg geggeggegg geegegeteg 60 64 degittestes teacceacea etacetecce gicaacggeg egicggegie ggegieggeg 120 65 teggaggeeg agegegassa cagggteegg egeatgegge gegegetgga egeegeegae 180

RAW SEQUENCE LISTING

DATE: 05,27,2001

PATENT APPLICATION: US/09/848,841 TIME: 18:31:44 Input Set : A:\Pto.amc Output Set: C:\CRF3\05272001\I848841.raw 66 atogagotgg tgaagotgat ygtgatgggo gaggggotgg acetggaego ggogotggeo 240 67 gtgcactaog codtgcagea etgoggoogo gaegtegtea aggogotget ggagetggg 300 68 grogrogacy toaactoocy egocygycoc geggggaaga egycyctyca cetygeggec 360 W--> 69 gagatggtgt cccccgacat ggtgtccgtg ctcctcgaac aacannccga ncccagngcc 420 70 eggalgotigg abggggtoaa deegetegae gttgeteege gggeteaaet eeegaagtte 480 W--> 71 ctcttcaagg gncgccgtgg cengggggtc aancagaatc 73 - 21 - SET ID NO: 2 74 - 211 - LENGTH: 59 75 k211 TYPE: PFT 76 <213 > ORGANISM: Zea mays 78 <400; SEQUENCE: 2 79 Val Arg Arg Met Arg Arg Ala Leu Asp Ala Ala Asp Ile Glu Leu Val 82 Lys Leu Met Val Met Gly Glu Gly Leu Asp Leu Asp Ala Ala Leu Ala 20 85 Val His Tyr Ala Val Gin His Cys Gly Arg Asp Val Val Lys Ala Leu 40 35 86 88 Leu Glu Leu Gly Ala Ala Asp Val Asn Ser Arg 5.0 91 kill0 - SEQ ID NO: 3 92 <211> LENGTH: 518 93 <212> TYPE: DNA 94 - 213 - ORGANISM: Cryza sativa 96 K220 FEATURE: 97 H221 - NAME/KEY: unsure 98 R.22. ROWATION: (424) 100 K220N FEATURE: 101 <221> NAME/KEY: unsure 102 <2220 LOCATION: (441) 104 KIZON FEATURE: 105 KILL: NAME/KEY: unsure 106 KUZIN LOCATION: (488) 108 <220 > FEATURE: 109 K221 NAME/KEY: unsure 110 <222 > LOCATION: (509) 112 <220 > FEATURE: 113 <201> NAME/KEY: unsure 114 <122> LOCATION: (517) 115 KINDS SEQUENCE: 3 11' gagagatgoo ttootgtege tgotggytta cotgtacacg ggcaageten ggcaggagaa 118 gmatdacgtg gtgtsetgeg degacedeat gtgedegead gadtegtges egeoggegat 120 11) cujittraac gtogageaaa tgtaegegge gtgggegtte aagateaeeg ageteatete 180 120 getyttecag egaeggette ttaanfingt egataagaet etagtagaag atgitettee 240 101 aattetgoaa gttgotttto attoagagot gaoteeayty ottgaaaaat ytatteggag 300 1.2 aatlycaaga toasatottg ataatgtato gttggataag gaacttooto cagaagttgo  $350\,$ 1/3 tyttoagata aaayagatto yocaaaaato toagoossat gagggtgaca cogtoattto 420 W--> 124 agancetgta catgagaaaa ngggcagaag aatccacagg ggactggatt etgatgatgt 480 W--> 125 tgagettntt aagttgette ttaaagaant tgggatne 127 <210> SEQ ID NO: 4

RAW SEQUENCE LISTING

### RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/848,841

- DATE: 05/27 2001 - TIME: 18:31:44

Input Set : A:\Pto.amc

Output Set: C:\CRF3\05272001\I848841.raw

128 4311 LENGTH: 84 129 - L11 - TYPE: FFT 130 - .: l: > ORGANISM: Oryza sativa 131 + 40 + SEQUENCE: 4 133 Asr Ala Phe Leu Ser Leu Leu Gly Tyr Leu Tyr Thr Gly Lys Leu Arg 10 13v Fr. Ala Pro Asp Asp Val Val Ser Cys Ala Asp Pro Met Cys Pro His 25 \_ ) 137 134 Asp Cer Cys Fro Pro Ala Ile Arg Phe Asn Val Glu Gln Met Tyr Ala 40 35 140 141 Ala Trp Ala Fhe Lys Ile Thr Glu Leu Ile Ser Leu Phe Gln Arg Arg 55 143 50 145 Leu Leu Asn Fhe Val Asp Lys Thr Leu Val Glu Asp Val Leu Pro Ile 75 70 146 65 148 Leu Gln Val Ala 15: <210> SEQ IE NO: 5 152 k211/ LENGTH: 642 153 <212> TYPE: DNA 154 - 213 - CRGANISM: Triticum aestivum 150 - 220 - FEATUFE: 157 <221 - NAME/KET: unsure 158 <222> LOCATION: (26) 160 ⋅ 220× FEATURE: 161 <221> NAME/KEY: unsure 162 <2025 LOCATION: (321) 161 - 220 - FEATURE: 165 -221> NAME/KEY: unsure 166 RDDD> LOCATION: (335) 168 - 320 - FEATUFE: 169 -221> NAME/KEY: unsure 170 - 222 - LOCATION: (403) 172 < 320 > FEATURE: 173 <221> NAME/KEY: unsure 174 <2225 LOCATION: (408) 176 <220 > FEATURE: 177 <221> NAME/KEY: unsure 178 <222> LOCATION: (420) 180 ALLUS FEATURE: 181 ////> NAME/FET: unsure 102 NIZER ECOMPTON: (474) 164 - LIGH FEATURE: 188 - 221 - NAME/MEY: unsure 186 PORTH LOCATION: (498) 188 KOZO - FEATURE: 1:0 - .11 - NAME/FFY: unsure 190 - 2029 LUCATION: (508) 192 DOON FEATURE: 193 -221 > NAME/KEY: unsure 194 <222 - LOCATION: (510)

DATE: 05 27 2001

TIME: 15:31:44

```
Input Set : A:\Pto.amc
                     O.tput Set: C:\CRF3\05272001\1848841.raw
     196 K2200 FEATUFE:
     147 KLLIF NAME/FEY: unsure
    198 (222) LOCATION: (563)
    1.00 KLLWY FEATURE:
     1.1 -: Ll1 - NAME/FEY: unsure
     _r2 -2_L - LOCATION: (565)
     ...4 P., ) - FERTURE:
     1.35 KILL: NAME/FEY: unsure
     206 (222 - LOCATION: (583)
     208 k220 / FEATUFE:
     103 KO21 - NAME/KEY: unsure
     210 <222 · LOCATION: (609)..(610)
     212 -0220 - FEATUFE:
     213 K221 > NAME/KEY: unsure
     214 <222> LOCATION: (617)
     216 kilob FEATURE:
     217 <27.15 NAME/KEY: unsure
     218 KIDIATION: (619)
     7,0 k470 - SEQUENTE: 5
W--> 221 cagggccaag agtcaaataa agatangatg tgcattgaca tcctagagag ggagatgatg
     222 aggsatosta tgacagogga agattotgto acetoacett tattggotga tgatottoac 120
     223 atgaaastaa getaeetgga aaacagagte gegttegeaa gaetgttett eeetgetgaa 180
     224 geomaggitty continuate typical gasgitation cagaagitty typical 240
     225 gcagbaagta ettetggtaa aetgagggaa gtegatetga atgagaegee aagtaacaaa 300
W--> 226 aaacaaaagg etgegtteaa nggtggatge actangegaa aacagtggaa etgggeegte 360
W--> 227 ggtacttccc aaactgctcg caagtgctcg acaaattctt ggnagatngc ctgcctgatn 420
W--> 228 gccttgatcg ttcaacacaa acggcaccct gatgaacaac aggtgaagaa atcncttctc 480
W--> 229 aagtgaacga tgacttenca aacatcanan agaacgggcg ataaagattt tteggcegte 540
W--> 230 taaatcctcg tetegggata agnangggat tacagtgtte canageagge aaaggteetg 600
                                                                             642
W--> 231 caagcettnn ggcacanent aacgatttca taaggggcca at
     233 K210> SEQ ID NO: 6
     234 <211 > LENGTH: 60
     235 + 212 > TYPE: FRT
     236 -213> ORGANISM: Triticum aestivum
      138 <220> FEATURE:
      239 <221> NAME/KEY: UNSURE
      240 <220 > LOCATION: (9)
     242 4400> SEQUENCE: €
W--> 243 Cln Gly Gln Glu Ser Asn Lys Asp Xaa Met Cys Ile Asp Ile Leu Glu
     .. 4 4
     146 Ard Glu Met Met Arg Asn Pro Met Thr Ala Glu Asp Ser Val Thr Ser
                                                                30
                                            25
                       20
      249 lib Leu Leu Ala Asp Asp Leu His Met Lys Leu Ser Tyr Leu Glu Asn
                                       4 Û
                  35
      192 Arg Val Ala Pho Ala Arg Leu Phe Phe Pro Ala Glu
                                    55
      255 - 210> SEQ ID NO: 7
      256 -211> LENGTH: 1227
      257 - 212> TYPE: DNA
```

RAW SEQUENCE LISTING

FATENT APPLICATION: US/09/848,841

### RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/848,841

DATE: 05 27/2001 TIME: 18:31:44

Input Set : A:\Pto.amc

Output Set: C:\CRF3\05272001\I848841.raw

```
258 <213> ORGANISM: Zea mays
260 <400> SEQUENCE: 7
                                                                         €0
261 agttgatgag ataasaaatt tgogoaagaa gtoacaaact gotgatggtg ataogttoat
202 thoggacoot gigosigaga aaagagicag aagaatooac agggcacitg actoigatga
263 tgttgagott gigaagitgo tiottaatga gioogadato adattagaig aigedaadgo
2004 attacactat gotgettett actgtgatec taaagttgtc teagagetgt tagatttgge
UKS aatgyotaas thaauttiga agaatagoog tyyytasaoa yeastocaot tyyotystät
                                                                         3.60
206 gaggagagaa ocagotataa toatgtgtot oottaacaaa ggggcaaatg tgtcacaact
PRO gacagotyat ggmaqqagoq baattggtat ttgtoggagg ttaacaagag baaaagabta
                                                                         4 \pm 0
268 caatacaaag atggagcagg gtcaagaatc aaataaagat aggctgtgta tagatattct
                                                                         4 : 0
                                                                         540
069 agagagggag atgatgogga atootatggo ggtggaagat googtcacot ogsotttgtt
270 ggcagatgat ettpapatga agottoteta eetggaaaae agagttgeat tigetagatt
                                                                         600
271 gttotttoct gotgaagoda aggtogodat goaaatogda daagdagada ddadagaaga
272 atteggeggt atagttgeag ttgcageaag caettetggt aaastgaggg aggtggaset
273 taatgagacg obagtgacab aaaabaasag gotoogttoa agggtagatg babtgatgaa
774 aacagtyyay otggyssyts ggtasttess gaastysteg caggtyotgg acaagttest
175 ggaggaogat otgooggaag gtotggaoda gttotacoto bagaggggga bagoogatga
216 goagaaggtg aagaggatge gottotgoga gotgaaagag gacgtgotga aggogtttag
277 caaggacaag geggagggea gegtyttets gygeetytee tegtegteyt egtgetegee 1020
178 geoboagaag tatyosbaga ggtgatoaag gbabbagttt tigbogtata gittgittato 1 \oplus )
279 atggtetteg agasttggae eeggaeagea tatagggaea tgtacacetg tgtatgtata 1140
280 gtgettacaa ttggegtaag tagaactata tgtatggaac ataaggaaac atggeaggaa 1200
181 caccgtgcaa aaagatgaaa aaaaaaa
283 <2105 SEQ ID NO: 8
084 <211> LENGTH: 325
185 <.3125 TYPE: PRT
286 <213> ORGANISM: Zea mays
288 <400> SEQUENCE: 8
189 Pro Val His Glu Lys Arg Val Arg Arg Ile His Arg Ala Leu Asp Ser
                                          10
230
292 Asp Asp Val Glu Len Val Lys Leu Leu Leu Asn Glu Ser Asp Ile Thr
                                      25
                 20
293
295 Leu Asp Asp Ala Asn Ala Leu His Tyr Ala Ala Ser Tyr Cys Asp Pro
             35
                                  40
296
298 Lys Val Val Ser Glu Leu Leu Asp Leu Ala Met ala Asn Leu Asn Leu
                              55
                                                  60
         50
299
301 Lys Asn Ser Arg Gly Tyr Thr Ala Leu His Leu Ala Ala Met Arg Arg
                                              75
304 Giu Pro Ala Ile Ile Met Cys Leu Leu Asn Lys Gly Ala Asn Val Ser
                      5.2
                                          ar
305
307 Gìn Leu Thr Ala Asp Gly Arg Ser Ala Ile Gly Ile Cys Arg Arg Leu
                                     105
303
                 100
310) Thr Arg Ala Lys Asp Tyr Ash Thr Lys Met Glu Glr Gly Gln Glu Ser
                                                      125
                                 120
311
313 Asn Lys Asp Arg Leu Cys He Asp He Leu Glu Arg Glu Met Met Arg
        130
                             135
316 Asn Pro Met Ala Val Glu Asp Ala Val Thr Ser Pro Leu Leu Ala Asp
                                             155
                         150
319 Asp Leu His Met Lys Leu Leu Tyr Leu Glu Asn Arg Val Ala Phe Ala
```

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

#### VERIFICATION SUMMARY

PATENT APPLICATION: US/09/848,841

DATE: 05 27 2001 TIME: 16:31:45

Input Set : A:\Pto.amc

Cutput Set: C:\CRF3\05272001\1848841.raw

L:20 M:270 O: Current Application Number differs, Replaced Application Number L:01 M:271 C: Current Filing Date differs, Replaced Current Filing Date L:63 M:258 W: Mandatory Feature missing, <2230 not found for SEQ ID#:1 L:69 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 L:71 M:258 W: Mandatory Feature missing, <2000 not found for SEQ ID#:1 L:"1 M:341 W: (46 "n" or "Xaa" used, for SEC ID#:1 L:1.4 M:258 W: Mandatory Feature missing, <20 ib not found for SEQ ID#:3 L:124 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 L::25 M::58 W: Mandatory Feature missing, <2030 not found for SEQ ID#:3</pre> L:125 M:341 W: (46) "n" or "Maa" used, for SEQ ID#:3 L:221 M:258 W: Mandatory Feature missing,  $\pm 2.33 \times$  not found for SEQ IE#:5 L:221 M:341 W: (46) "r" or "Xaa" used, for SEQ ID#:5 L:226 M:258 W: Mandatory Feature missing,  $\pm 2239 \times$  not found for SEQ ID#:5 L:226 M:541 W: (46) "n" or "Xaa" used, for SEQ ID#:5 L:227 M:258 W: Mandatory Feature missing, H22EH not found for SEQ ID#:5 L:227 M:341 W: (46) "n" or "Maa" used, for SEQ II#:5 L:228 M:258 W: Mandatory Feature missing, <2.3> not found for SEQ ID#:5 L:228 M:341 W: (46) "n" or "Maa" used, for SEQ ID#:5 L:309 M:358 W: Mandatory Feature missing, <2335 not found for SEQ ID#:5 L:\_\_9 M:\_41 W: (46) "r." or "Naa" used, for UEQ ID#:5 L:130 M:258 W: Mandatory Feature missing, H2.330 not found for SEQ ID#:5 L:230 M:341 W: (46) "n" or "Maa" used, for SEQ ID#:5 L:231 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:5 L:131 M:341 W: (46) "n" or "Maa" used, for SEQ ID#:5 L:243 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:6 L:248 M:341 W: (46) "r" or "Maa" used, for SEO ID#:6 L:524 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:11 L:524 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11

OIPE

```
Input Set : A:\BB1252 US NA1 Seq Listing.txt
                     Output Set: N:\CRF3\05162001\I848841.raw
      3 <110 APPLICANT: E. I. du Font de Nemours and Company
     4 (110) APPLICANT: Butler, Karla
W-->
              Falco, Carl
W--> 5
              Famodu, Omolayo O.
W--> 6
              Fang, Yiwen
                                                                                Does Not Comply
W--> 8
              Han, Feng
                                                                            Corrected Diskette Needed
              Heppard, Elmer
W--> 9
              Liu, Zhan-Bin
W-->10
W--> 11
              Miao, Gou-Hau
              Odell, Joan
W--> 12
W--> 13
              Rafalski, Antoni
     17 - 1120: TITLE OF INVENTION: Disease Pesistance Factors
     19 -: 130: FILE REFERENCE: BB1252 US NA1
C--> 21 <140> CURRENT APPLICATION NUMBER: US/09/848,841
C--> 22 <141> CURRENT FILING DATE: 2001-05-04
     24 - 150 - PRIOR APPLICATION NUMBER: 60/107,242
     25 -151 PRIOF FILING DATE: 1998-11-05
     27 - 150. PRIOR APPLICATION NUMBER: US99/25,953
     28 <151: PRIOE FILING DATE: 1999-10-04
W--> 30 4120> TITLE OF INVENTION: Disease Resistance Factors
```

TATE: 15/16/2101

- FIME: 15:31:20

# ERRORED SEQUENCES

```
904 <21): SEQ ID NO: 17
905 - 211 - LENGTH: 593
906 - 212 - TYPE: PRT
907 (213) ORGANISM: Arabidopsis thaliana
909 (400) SEQUENCE: 17
910 Met Asp Thr Ihr Ile Asp Gly Phe Ala Asp Ser Tyr Glu Ile Ser Ser
                                                            1.5
                                        10
911 1
913 Thr Ser Phe Val Ala Thr Asp Asn Thr Asp Ser Ser Ile Val Tyr Leu
                                                         30
                                     25
316 Ala Ala Glu Gln Val Leu Thr Gly Pro Asp Val Ser Ala Leu Gln Leu
                                                    45
                                4.0
417
        3.5
313 Lou Ser Ash Ser Phe Glu Sor Val Phe Asp Ser Pro Asp Asp Phe Tyr
    50
                             55
                                                 60
+22 Ser Asp Ala Lys Leu Val Lou Sor Asp Gly Arg Glu Val Ser Phe His
                                             75
                        7.0
923 65
(25 Arg Sys Val Leu Ser Ala Arg Ser Ser Phe Phe Lys Ser Ala Lon Ala
                    85
426
+28 Ala Ala Lys Lys Glu Lys Asp Ser Asn Asn Thr Ala Ala Val Lys Leu
                                                    110
                                    105
               100
129
331 Glu Leu Lys Glu Ile Ala Lys Asp Tyr Glu Val Gly Phe Asp Ser Val
```

RAW SEQUENCE LISTING

W--> 30 (120) TITLE OF INVENTION: Disease Resistance Factors

32 (160) NUMBER OF SEQ ID NOS 17 34 (170 - SOFTWARE: Microsoft Office 97

PATENT APPLICATION: US/09/848,841

RAW SEQUENCE LISTING DATE: 15/16/21.1 HATENI APPLITATION: US/09/848,841 TIMES 18:41:20

Input Set : A:\BB1252 US NA1 Seq Listing.txt
Output Set: N:\CRF3\05162001\I848841.raw

														125			
÷ + 2				115					120		-		7. 2 '		;	:. ·	Pr
														Arg			
		3	17											His			
9.8 94.	145 Ara	F	10	Ala	Val	Asp	Phe	Met	Leu	31:	Val	Leu	Tyr	Leu	Ala	Phe	I.e
44 ] 6 4 3	Dha	,	75	He	Pro	165 Glu	Leu	Ile	Thr	Leu	170 Lyr	31n	ķıA	His	Leu	Leu	Aar
74.4 74.4	1110	.,	. 1	<b>.</b>	180	Val	Val	Ile	Glu	185 Asp	Thr	Leu	Val	ile 205	Ten	1.5	Leu
946 947	Val	V	aı	195	LIS	vai			200	Mast	Lira	Len	Leu	205 Asp	Arq	Cys	Lys
														Asp			
														Leu			
955	Leι	ı F												Arg			
956 958	Gl;	, I	Leu	Glu	Val	Pro	Lys	Val	Lys	Lys 265	His	Val	Ser	Asn	Val 270	His	Iys
959 951	Δl	3 !	leu.	Asp	260 Ser	Asp	Asp	Ile	Glu	Leu	Val	Lys	Leu	Leu 285	Leu	Lys	Glu
96.2 96.4	Asi	5 :	His	275 Thr	Asn	Leu	Asp	Asp	280 Ala	Суѕ	Ala	Leu	His	Phe	Ala	Vai	F.lā
965	, T.,	r (	290	Asn	Val	Lvs	Thr	295 Ala	Thr	Asp	Leu	Leu	300 Lys	Leu	Asp	Leu	Ala
968	3 30	5	1	7.00	Uic	λrα	310	Pro	Ara	Glv	TVI	315 Thr	Val	. Leu	His	. Val	Ala
														ı Leu			
														Ala 365			
47	Al	a	Lys	Glr	a Ala	Thr	Met	Ala 375	Val	Glu	ı Cys	s Ası	386 386	n Ile	e Pro	المان (	יודני ד
		s		His				s Gly	Aig					i Il€			
·8	3 38 5 Gl	5 .u	Asp	Lys	s Arg	g Glu	390 Gli	n Ile	e Pro	Ar	g Asj	p Va	l Pro	o Pro	s Se	r Phe	e Alā 5
										Th	r Le			p Lei			
98 99	9 1 V=	1	A1 =	a Lei	420 u Ala	O a.Glr	n Ar	g Lei	ı Phe	42 e Pr	5 o Th	r Gl	u Al	a Glr 44'	n Al	a Al	a Met
														445 e Val 0			
														r Pr			
10	00	l l e												er A			
10	03 :01	Lei	ı Se	er L	ys į	hr V	al G	lu L	eu G	ly I	ys A .05	ag I	the P	he P	ro A 5	.rq C :10	ys Si

RAW SEQUENCE LISTING DATE: 05/16/2001 PATENT APPLICATION: US/09/848,841 TIME: 15/40/2001

Input Set : A:\BB1252 US NA1 Seq Listing.txt Cutput Set: N:\CRF3\05162001\I848841.raw



#### VERIFICATION SUMMARY

FAIENI AFFLITATI N: US/09/848,841

Input Set : A:\BB1252 US NA1 Seq Listing.txt
Output Set: N:\CRF3\05162001\I848841.raw

194 M 187 W. Numeria Identifier already exists. 91179 found multiple times M:21 M:271 O: Current Application Number differs. Replace i Application Number 1.22 M.271 G: Current Filing Sate differs, Replaced Current Filing Sate Lii. M:281 W: Numeric Identifier already exists. <121> found multiple times L:30 M:281 W: Numeric Fields not Ordered: (120% not ordered. L:72 M:258 W: Mandatory Feature missing, <223% not found for SEQ ID#:1 L:71 M:341 W: (46) "n" or "Xua" used, for SEQ ID#:1 1:74 Milfé Wi Mandatory Feature dissing, 8223 not found for SE, 125:1 L:74 M:341 W: (46) ":" or "Xaa" used, for SEQ ID#:1 1:127 M 258 W. Mandatory Feature missing, 223 only found for SEQ ID#:3 L:127 M 341 W (46) "n" or "Xaa" used, for SEQ ID#:3 1:128 M.258 W. Mandatory Feature missing, <223. not found for SEQ ID#:3 L:128 M 341 W (46) "n" or "Xaa" used, for SED ID# 3 L:224 M:258 W Mandatory Feature missing, <223: not found for SEQ ID#:5 L:224 M 341 W (46) "n" or "Xaa" used, for SE? ID# 5 L:229 M 258 W Mandatory Feature missing, <223: not found for SEQ ID::5 L:229 M:341 W (46) "n" or "Xaa" used, for SEQ ID# 5 T.:250 M 258 W Mandatory Feature missing, 721 - rot tound for SEQ ID#+5  $L\colon\!230$  M 341 W (46) "n" or "Xaa" used, for SEQ ID# 5 L:231 M 258 W: Mandatory Feature missing, <223: not found for SEQ ID: 5 L:231 M 341 W: (46) "n" or "Xaa" used, for SEP ID# 5 L:1:1 M 158 W Mandatory Feature mission, 20:::ret found for SE\_ ID#:5 L:132 M 341 W (46, "n" or "Xaa" used, for SED ID# 5 L:233 M 256 W: Mandatory Feature missing, <223: not found for SEQ ID#:5 L:233 M 341 W: (46) "n" or "Xaa" used, for SEQ ID#.5 L:134 M 158 W: Mandatory Feature missing, (223) not found for SEQ ID#:5 L:234 M 341 W: (46, "n" or "Xaa" used, for SE2 ID# 5 L:246 M:258 W: Mandatory Feature missing. <223: not found for SEQ ID::6 L:216 M [41 W. (46; "a" er "Xaa" used, for SEL IE#.6 L:527 M 258 W: Mandatory Feature missing,  $<223 \times$  not found for SEQ II:#:11 L:527 M 341 W: (46) "n" or "Xaa" used, for SEQ ID#:11 L:1023 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:17 L:1023 M:333 E: Wrong sequence grouping, Amino acids not in groups: L:1023 M:320 E: (1) Wrong Nucleic Acid Designator, NUMBER OF INVALID KEYS:2 L:1023 M:252 E: No of Seq. differs, <211>LENGTH:Input:593 Found:595 SEQ:17